

**COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
EVIDENCE AUDIT CHECKLIST
U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section**

Audit Number: 08-10-08
Date CSF Received: 12/3/07
Received By: Carol Beaulieu
Date of Audit: 12/10/07
Audited By: Carol Beaulieu
Resubmitted CSF? Yes ☐ No ☒
Lab Name: A-4 Scientific, Inc.
Lab Location: The Woodlands, Tx

Site Name: Richardson Flat Tarlin
Site Manager: Kathryn Hernandez
RAS Number: 36948
ULSA Number: _____
SDG Number: MH2300
Number of Samples: 20/4/5
CLP Lab Code: A-4

AUDIT CHECKLIST

CHAIN OF CUSTODY

- | | |
|---|---|
| 1. Custody Seal Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2. Condition of Seal? Intact <input checked="" type="checkbox"/> Signed <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Unsigned <input type="checkbox"/> | |
| 3. Chain of Custody Record(s) Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4. Chain of Custody Record(s) Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 5. Chain of Custody Record(s) Dated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 6. Traffic Report(s) or Packing List(s) Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 7. Traffic Report(s) or Packing List(s) Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 8. Airbill Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 9. Airbill Number(s): <u>863198575033</u> | |
| 10. Airbill Signed? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 11. Airbill Dated? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 12. Sample Tags Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 13. Should Sample Tags be Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

AUDIT NUMBER: 08-10-08

FORM DC-2

14. Form DC-2 Present?
15. Numbering Scheme on Form DC-2 Correct?
16. Enclosed Documents Listed?
17. Listed Documents Enclosed?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

FORM DC-1

18. Form DC-1 Present?
19. Form DC-1 Complete?
20. Form DC-1 Correct?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

DOCUMENT CONTROL

21. Laboratory Documents Complete?
22. Laboratory Documents Legible?
23. Original Documents Included in CSF?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

DATA INSPECTION

4. Form I's present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
5. Forms 2 through 8 (VOC & SVOC), Forms 2 through 10 (Pesticides), Forms 2 through 14 (Metals & Cyanide) present?
6. Raw data present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
7. Percent Solids Form present for soil samples?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

TE: If items 1, 3, 4, 6, 7, 8, 12, 14, 18, or 22 are missing, corrective action measures must be taken by the CSF auditor and summarized below.

AUDIT NUMBER: 08-10-08

COMMENTS AND NOTES:

Cain Bean

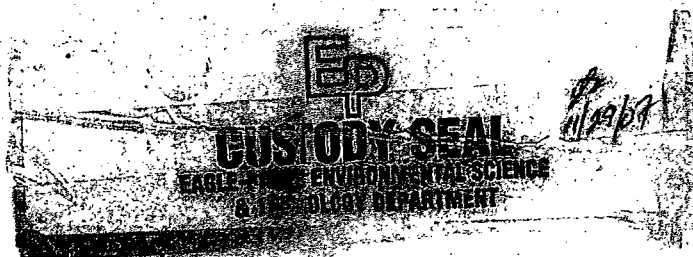
12/10/07

Auditor

Date

EPA OFFICIAL SEALS PAGE

Please attach all custody seals below:



AUDIT NUMBER: 08-10-08

EPA CLP ELECTRONIC DISKETTE(S)

CASE #: 36948 SDG #: MH23Q0

SITE NAME: Richardson Flat Tailings

RPM: Kathryn Hernandez

DATE: 12/10/07

AUDITOR: Carol Beaulieu

Audit # 08-10-08
RAS # 36948
SDG - MH23Q0
Site - Richardson Flat Tailings
RPM - Kathryn Hernandez
Date - 12/10/07
LAB - A4

USEPA-CLP

COVER PAGE

Lab Name: A4 Scientific, Inc. Contract: EPW06057
Lab Code: A4 Case No: 36948 NRAS No.: _____ SDG No: MH23Q0
SOW No.: ILM05.4

EPA Sample No.	Lab Sample ID
MH23Q0	0008704-01
MH23Q1	0008704-02
MH23Q2	0008704-03
MH23Q3	0008704-04
MH23Q3D	0008704-04D
MH23Q3S	0008704-04S
MH23Q4	0008704-05
MH23Q5	0008704-06
MH23Q6	0008704-07
MH23Q7	0008704-08
MH23Q8	0008704-09
MH23Q9	0008704-10
MH23R0	0008704-11
MH23R1	0008704-12
MH23R2	0008704-13
MH23R3	0008704-14
MH23R4	0008704-15
MH23R5	0008704-16
MH24D1	0008704-17
MH24D2	0008704-18

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
If yes, were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Reddy Pakanati

Name: REDDY PAKANATI

Date: 11/27/07

Title: LABORATORY MANAGER

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USEPA-CLP

COVER PAGE

Lab Name: A4 Scientific, Inc. Contract: EPW06057
Lab Code: A4 Case No: 36948 NRAS No.: _____ SDG No: MH23Q0
SOW No.: ILM05.4

EPA Sample No.

Lab Sample ID

MH24D30008704-19MH24D40008704-20

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>YES</u>
If yes, were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Reddy PakanatiName: REDDY PAKANATIDate: 11/27/07Title: LABORATORY MANAGER0000000002

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW06057**Case #: 36948****SDG #: MH23Q0****SDG NARRATIVE****SAMPLE RECIEPT & LOGIN**

The following samples were received on the dates listed against them. The samples were logged in for analysis as listed.

EPA SAMPLE #	LAB SAMPLE #	DATE/TIME RECEIVED	AIRBILL NO.	ANALYSIS	Total # of Containers Received	REMARKS	MATRIX
MH23Q0	0008704-01	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23Q1	0008704-02	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23Q2	0008704-03	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23Q3	0008704-04	11/9/07 09:43	863198575033	ICP-AES	1	MS/DUP	SOIL
MH23Q4	0008704-05	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23Q5	0008704-06	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23Q6	0008704-07	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23Q7	0008704-08	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23Q8	0008704-09	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23Q9	0008704-10	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23R0	0008704-11	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23R1	0008704-12	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23R2	0008704-13	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23R3	0008704-14	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23R4	0008704-15	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH23R5	0008704-16	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24D1	0008704-17	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24D2	0008704-18	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24D3	0008704-19	11/9/07 09:43	863198575033	ICP-AES	1		SOIL
MH24D4	0008704-20	11/9/07 09:43	863198575033	ICP-AES	1		SOIL

ICP-AES

Issue: Samples for case 36948 were received on 11/9/2007. TR/COC listed tag numbers do not match physical tag numbers.

Resolution: Per Region 8 Lab recorded the physical sample tag number on form DC-1 and proceeded with analysis of samples.

Issue: For samples received on 11/9, there was no temperature blank in the cooler. The cooler temperatures were determined to be 4 degrees for both coolers received. The following method was used to record cooler temperature. Removed ice between two sample containers and placed thermometers between them and stabilized for several minutes. The thermometer was not allowed to come in contact with any material except sample containers. The temperature of the shipping container was recorded on the TR/COC and form DC-1.

Resolution: Per direction from Region 8, the laboratory, proceed with the analysis of the samples.

Issue: There were no custody seals on any of the coolers.

Resolution: Per Region 8, proceed with the analysis of the samples.

Issue: The lab received 121 samples in 5 coolers. There were 2 samples designated for lab QC in each

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A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: EPW06057

Case #: 36948

SDG #: MH23Q0

SDG NARRATIVE

cooler. The lab has a total of 6 SDG, and 10 QC samples designated. Lab confirmed if both designated Lab QC's were to be analyzed or if lab was to select only one per SDG.

Resolution: Per Region 8, the laboratory selected one of the designated samples for laboratory QC per SDG and proceeded with analysis of samples.

Lab selected sample MH23Q3 and notified SMO.

SMO was notified. Directive is enclosed. No other discrepancies of issues were noted during receipt and login.

ICP-AES

Soil Samples were digested by Hot-Block technique (HS2) and analyzed using a Thermo Electron ICAP6500.

MS and DUP were performed on sample "MH23Q3". The %D for copper was outside QC limits.

Analytes with Serial Dilution percent difference not within the control limits are flagged with "E" on Form1s and Form8.

The following Samples were analyzed at a dilution for some elements to bring the concentration below the LDRs. The dilutions were made as below:

Sample ID	Dilution	Volume of digestate (ul)	Volume of 2% HNO3 (ul)	Final Volume (ul)
MH23R0	1.3	7,692	2,308	10,000
MH23Q1	1.3	7,692	2,308	10
MH23Q2	1.4	7,143	2,857	10
MH23Q5	1.4	7,143	2,857	10

The following equations are used for calculation of sample results from raw instrument output data:

ICP-AES

SOIL Samples:

$$\text{Concentration (dry Wt.) (mg/kg)} = \frac{C * V}{W * S} * DF$$

Where,

C = Concentration (mg/L)

V = Final sample volume in Liters (L) (0.1L)

W = Wet sample weight (kg) (0.001kg)

S = % solids/100

DF = Dilution Factor

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SAMPLE LOG-IN SHEET

Lab Name A4 SCIENTIFIC, INC.				Page <u>1</u> of <u>2</u>	
Received By (Print Name) Jessica Schulze				Log-in Date 11/9/07	
Received By (Signature) <i>Jessica Schulze</i>					
Case Number 36948		Sample Delivery Group No. MH23Q0		NRAS Number —	

Remarks:	EPA Sample #	Aqueous Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1. Custody Seal(s) <u>Present/Absent*</u> Intact/Broken	MH23Q0	NA	8309961	0008704-01	1-2 ploc bag Intact
2. Custody Seal Nos. <u>NA</u> <u>I</u>	Q1		8311196	-02	
3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present/Absent*</u>	Q2		8309960	-03	
4. Airbill <u>Airbill/Sticker Present/Absent*</u>	Q3		8309957	-04	
5. Airbill No. <u>86398575033</u> <u>NA</u>	Q4		954	-05	
6. Sample Tags <u>Present/Absent*</u>	Q5		951	-06	
Sample Tag Numbers <u>Listed/Not Listed on Traffic Report/Chain of Custody Record</u>	Q6		953	-07	
7. Sample Condition <u>Intact/Broken*/Leaking</u>	Q7		8311195	-08	
8. Cooler Temperature Indicator Bottle <u>Present/Absent*</u>	Q8		8311199	-09	
9. Cooler Temperature <u>4°C</u>	Q9		8311197	-10	
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes/No*</u>	R0		8311198	-11	
11. Date Received at Lab <u>11-9-07</u>	R1		8311193	-12	
12. Time Received <u>943</u>	R2		8309952	-13	
Sample Transfer	R3		8309955	-14	
Fraction <u>MH15</u>	R4		8311191	-15	
Area # <u>Cooler A</u>	R5		8311192	-16	
By <u>JS</u>					
On <u>11-9-07</u>					<u>11/9/07</u>

* Contact SMO and attach record of resolution

Reviewed By <u>JS</u>	Logbook No. <u>NA</u>
Date <u>11/09/07</u>	Logbook Page No. <u>1</u> 0000000005

SAMPLE LOG-IN SHEET

Lab Name A4 SCIENTIFIC, INC.				Page <u>2</u> of <u>2</u>	
Received By (Print Name) <u>Larry Goodsen</u>				Log-in Date <u>11/9/07</u>	
Received By (Signature) <u>[Signature]</u>					
Case Number <u>36948</u>		Sample Delivery Group No. <u>M424D1</u>		NRAS Number <u> </u>	

Remarks:	EPA Sample #	Aqueous Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1. Custody Seal(s) Present/Absent* <u>Present</u> Intact/Broken <u>Intact</u>	<u>M424D1</u>		<u>8242424</u>	<u>0008104</u> <u>-017</u>	<u>Intact</u> <u>1-2 ploc (B)</u>
2. Custody Seal Nos. <u>N/A</u>	<u>D2</u>		<u>8242423</u>	<u>18</u>	
3. Traffic Reports/Chain of Custody Records or Packing Lists Present/Absent* <u>Present</u>	<u>D3</u>		<u>8250351</u>	<u>19</u>	
4. Airbill Airbill/Sticker Present/Absent* <u>Present</u>	<u>D4</u>		<u>8250382</u>	<u>-20</u>	
5. Airbill No. <u>3639857532</u> <u>N/A</u>	<u>D5</u> <u>11/9/07</u>				
6. Sample Tags Present/Absent* <u>Present</u> Sample Tag <u>11/9/07</u> Numbers <u>11/9/07</u> <u>Listed/Not Listed on Traffic Report/Chain of Custody Record</u>					
7. Sample Condition Intact/Broken*/Leaking <u>Intact</u>					
8. Cooler Temperature Indicator Bottle Present/Absent* <u>Present</u>					
9. Cooler Temperature <u>40C</u>					
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes</u>					
11. Date Received at Lab <u>11/9/07</u>					
12. Time Received <u>11/9/07 10:43</u>					

Sample Transfer	
Fraction <u>MHS</u>	Fraction <u> </u>
Area # <u>Cooler A</u>	Area # <u> </u>
By <u>[Signature]</u>	By <u> </u>
On <u>11/9/07</u>	On <u> </u>

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. <u>NA</u>
Date <u>11/9/07</u>	Logbook Page No. <u>1</u> <u>XXXXXXXXXX</u>

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME	<u>A4 SCIENTIFIC, INC.</u>
CITY/STATE	<u>THE WOODLANDS, TX</u>
CASE NO.	<u>36948</u> SDG NO. <u>MH23QD</u>
SDG NOS. TO FOLLOW	<u>NA</u>
NRAS NO.	<u>NA</u>
CONTRACT NO.	<u>EPW06057</u>
SOW NO.	<u>ILM05.4</u>

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOS.		LAB	CHECK REGION
	FROM	TO		
1. Cover Page	<u>1</u>	<u>2</u>	<u>✓</u>	<u>✓</u>
2. SDG Narrative	<u>3</u>	<u>4</u>	<u>✓</u>	<u>✓</u>
3. Sample Log-In Sheet (DC-1)	<u>5</u>	<u>6</u>	<u>✓</u>	<u>✓</u>
4. Inventory Sheet (DC-2))	<u>7</u>	<u>8</u>	<u>✓</u>	<u>✓</u>
5. Traffic Report/Chain of Custody Record(s)	<u>9</u>	<u>12</u>	<u>✓</u>	<u>✓</u>
Inorganic Analysis				
6. Data Sheet (Form I-IN)	<u>13</u>	<u>32</u>	<u>✓</u>	<u>✓</u>
7. Initial & Continuing Calibration Verification (Form IIA-IN)	<u>33</u>	<u>40</u>	<u>✓</u>	<u>✓</u>
8. CRQL Standard (Form IIB-IN)	<u>41</u>	<u>46</u>	<u>✓</u>	<u>✓</u>
9. Blanks (Form III-IN)	<u>47</u>	<u>51</u>	<u>✓</u>	<u>✓</u>
10. ICP-AES Interference Check Sample (Form IVA-IN)	<u>52</u>	<u>57</u>	<u>✓</u>	<u>✓</u>
11. ICP-MS Interference Check Sample (Form IVB-IN)	<u>NA</u>	<u>NA</u>	<u>✓</u>	<u>✓</u>
12. Matrix Spike Sample Recovery (Form VA-IN)	<u>58</u>	<u>58</u>	<u>✓</u>	<u>✓</u>
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	<u>NA</u>	<u>NA</u>	<u>✓</u>	<u>✓</u>
14. Duplicates (Form VI-IN)	<u>59</u>	<u>59</u>	<u>✓</u>	<u>✓</u>
15. Laboratory Control Sample (Form VII-IN)	<u>60</u>	<u>60</u>	<u>✓</u>	<u>✓</u>
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	<u>61</u>	<u>61</u>	<u>✓</u>	<u>✓</u>
17. Method Detection Limits (Annually) (Form IX-IN)	<u>62</u>	<u>64</u>	<u>✓</u>	<u>✓</u>
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	<u>65</u>	<u>65</u>	<u>✓</u>	<u>✓</u>
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	<u>66</u>	<u>66</u>	<u>✓</u>	<u>✓</u>
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	<u>67</u>	<u>67</u>	<u>✓</u>	<u>✓</u>
21. Preparation Log (Form XII-IN)	<u>68</u>	<u>68</u>	<u>✓</u>	<u>✓</u>
22. Analysis Run Log (Form XIII-IN)	<u>69</u>	<u>72</u>	<u>✓</u>	<u>✓</u>

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	PAGE NOS.		LAB	CHECK	REGION
	FROM	TO			
23. ICP-MS Tune (Form XIV-IN)	NA	NA	✓		
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	↓	↓	✓		✓
25. ICP-AES Raw Data	73	510	✓		✓
26. GFAA Raw Data (If Applicable)	NA	NA	✓		
27. ICP-MS Raw Data	↓	↓	✓		
28. Mercury Raw Data	↓	↓	✓		
29. Cyanide Raw Data	↓	↓	✓		✓
30. Preparation Logs Raw Data	511 11/27/07	512 548	✓		✓
31. Percent Solids Determination Log	549	550	✓		✓
32. USEPA Shipping/Receiving Documents Airbill (No. of Shipments <u>1</u>)	551	551	✓		✓
Sample Tags	552	558	✓		✓
Sample Log-In Sheet (Lab)	559	560	✓		✓
33. Misc. Shipping/Receiving Records (list all individual records) Telephone Logs	NA	NA	✓		
NA	↓	↓	✓		
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)					
Custody logbook	561	561	✓		✓
NA	NA	NA	✓		
35. Internal Original Sample Prep & Analysis Records (describe or list)					
Prep Records Digestion log	511	512	✓		✓
Analysis Records Runlog	513	520	✓		✓
Description Standard preplog	521	548	✓		✓
36. Other Records (describe or list)					
Telephone Communications Log	NA	NA	✓		✓
Emails	562	568	✓		✓
NA	NA	NA	✓		

37. Comments: _____

Completed by: Jessica Schulze Jessica Schulze Sample Custodian 11/27/07
(CLP Lab) (Signature) (Print Name & Title) (Date)

Audited by: Carl Benz Carl Benz 12/10/07
(USEPA) (Signature) (Print Name & Title) (Date)

**SAMPLE DELIVERY GROUP (SDG)
COVER SHEET**

SDG Number: MH23Q0

☒ ICP-AES Analysis

☐ ICP-MS Analysis

Laboratory Name: A4 SCIENTIFIC, INC.

Laboratory Code: A4

Contract No.: EPW06057

Case No.: 36948

Analysis Price: _____

SDG Turnaround: 21 days

Modified Analysis (if applicable):

Modification Reference No.: _____

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) MH23Q0	7) MH23Q6	13) MH23R2	19) MH24D3
2) MH23Q1	8) MH23Q7	14) MH23R3	20) MH24D4
3) MH23Q2	9) MH23Q8	15) MH23R4	21)
4) MH23Q3	10) MH23Q9	16) MH23R5	22)
5) MH23Q4	11) MH23R0	17) MH24D1	23)
6) MH23Q5	12) MH23R1	18) MH24D2	24)

MH23Q0

First Sample in SDG

MH24D4

Last Sample in SDG

11/09/2007

First Sample Receipt Date

11/09/2007

Last Sample Receipt Date

Note: There are a maximum of 20 **field** samples [excluding Performance Evaluation (PE) Samples] in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).


Signature

11/9/07
Date

Cooler 3



USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody Record

Case No: 36948
DAS No:
SDG No: MH23Q0

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>CL #7</i>	For Lab Use Only Lab Contract No: <i>ERM06057</i> Unit Price: Transfer To: Lab Contract No: Unit Price:	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 Chris Hayes	11/06/07 8AM	Janna Simonsen		11/06/07
	2 Janna Simonsen	11/8/07 11AM			
	3				
	4		<i>J. Sch... 11/9/07 943</i>		

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH23Q0	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG70 (1)	UE06-28-0.5	S: 10/31/2007 14:00	000 2704 - 01	Intact
MH23Q1	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG71 (1)	UE07-27-0.5	S: 10/31/2007 9:05	- 02	
MH23Q2	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG72 (1)	UE07-28-0.5	S: 10/31/2007 14:20	- 03	
MH23Q3	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG73 (1)	UE08-28-1.0	S: 10/31/2007 14:05	- 04	
MH23Q4	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG74 (1)	UE09-28-0.5	S: 10/31/2007 14:35	- 05	
MH23Q5	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG75 (1)	UE10-27-0.5	S: 10/31/2007 9:50	- 06	
MH23Q6	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG76 (1)	UE12-27-0.5	S: 10/31/2007 10:10	- 07	
MH23Q7	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG77 (1)	UE13-27-0.5	S: 10/31/2007 8:50	- 08	
MH23Q8	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG78 (1)	UE14-27-0.5	S: 10/31/2007 11:15	- 09	
MH23Q9	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG79 (1)	UE15-27-0.5	S: 10/31/2007 11:00	- 010	

Shipment for Case Complete? <input checked="" type="checkbox"/>	Sample(s) to be used for laboratory QC: MH23P5, MH23Q3	Additional Sampler Signature(s): <i>11/9/07</i>	Cooler Temperature Upon Receipt: <i>4°C</i>	Chain of Custody Seal Number: <i>11/9/07</i>
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

TR Number: 8-065602925-110607-0003

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Cooler 3



USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody Record

Case No: 36948

DAS No:

SDG No: MH23Q0

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Ch Hayes</i>	For Lab Use Only Lab Contract No: ERM06057 Unit Price: Transfer To: Lab Contract No: Unit Price:	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 Chris Hayes	11/8/07 8AM	Janna Simonsen		11/08/07
	2 Janna Simonsen	11/8/07 11AM			
	3				
	4		J. Schulte 11/9/07 943		

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH23R0	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG80 (1)	UE16-27-0.5	S: 10/31/2007 10:55	-011	
MH23R1	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG81 (1)	UE20-27-0.5	S: 10/31/2007 16:05	-012	
MH23R2	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG82 (1)	UE22-27-0.5	S: 10/31/2007 15:05	-013	
MH23R3	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG83 (1)	UE22-27-1.0	S: 10/31/2007 15:20	-014	
MH23R4	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG84 (1)	UE24-27-0.5	S: 10/31/2007 15:50	-015	
MH23R5	Surface Soil (0"-12")/ Chris Hayes	M/G	TM (21)	TAG85 (1)	UE26-27-0.5	S: 10/31/2007 15:35	-016	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MH23P5, MH23Q3	Additional Sampler Signature(s): <i>11/9/07</i>	Cooler Temperature Upon Receipt: 40	Chain of Custody Seal Number: <i>11/9/07</i>
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

TR Number: 8-065602925-110607-0003

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 36948
DAS No:
SDG No: MH2380 L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Chain of Custody Record		Sampler Signature: <i>Ch Hayes</i>	For Lab Use Only Lab Contract No: ER06057 Unit Price: Transfer To: Lab Contract No: Unit Price:	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 Chris Hayes	11/6/07 8AM	Janna Simonsen		11/6/07 8AM
	2 Janna Simonsen	11/8/07 11AM			
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24D1	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG181 (1)	UE21-50-1.0	S: 11/2/2007 14:25	00087084-017	Intact
MH24D2	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG182 (1)	UE22-50-0.5	S: 11/2/2007 13:10	1119107-018	
MH24D3	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG183 (1)	UE23-50-0.5	S: 11/2/2007 13:25	-019	
MH24D4	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG184 (1)	UE23-50-1.0	S: 11/2/2007 13:35	-010	
MH24D5	Surface Soil (0"-12")/ April Turney	M/G	TM (21)	TAG185 (1)	UE24-50-0.5	S: 11/2/2007 13:45	8709-11	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MH24A3, MH24B3	Additional Sampler Signature(s): <i>11/9/07</i>	Cooler Temperature Upon Receipt: 50	Chain of Custody Seal Number: <i>11/9/07</i>
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <i>N</i>	Shipment Iced? <i>Y</i>

TR Number: 8-065602925-110707-0005

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